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four eager heads were outstretched from these nests, while some were making awkward attempts at walking on the naked pine branches. There were hundreds of nests in an area of about two acres.

The young kept up a constant ticking, fast and slow, high and low, while an occasional *squawk* was heard from one of the old birds. It was a typical clock factory, where the *squawk* played the part of the cuckoo clock, and the young ticked off the seconds. They seemed little disturbed by our party of six walking below them. It was little wonder that the flock had killed the beautiful pine grove, when the ground underneath was carpeted with twigs. The whitewashed undergrowth was developing ruggedly in spite of the environment. Pieces of pale blue shell, dead fish and one dead bird, half grown, were found below the nests. Barring all sensations of the olfactory tract, it was a delightful experience.

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#### THE NEW YEAR BIRD CENSUS.

This, our second annual bird census, shows an increase of near 50 per cent. in the number of reports sent in, and that in the face of more wintry weather and general difficulty in getting into the fields. The reports show that even under the most adverse conditions the birds are certain to be present in some numbers.

**Vicinity of Alma, Lincoln County, Maine.** Time 9:25 to 11:55 a. m. Weather fine, no wind. Temperature 6 to 22.

Redpoll, one flock of 30; Red-breasted Nuthatch, one flock of about 8; Chickadee, 7; Golden-crowned Kinglet, 2.

Total, 4 species about 47 individuals.

HAROLD E. PORTER, CHARLES H. ROGERS.

**Bristol, Conn.** Time 7:30 a. m. to 4:30 p. m. Weather, cloudy at first, clearing by 8:30 a. m., clear the rest of the day. Six inches of snow, powdered over by a light fall the day before.

Bob-white, 6, and fresh tracks; Ruffed Grouse, 4; Red-tailed Hawk, 1; Hairy Woodpecker, 4; Downy Woodpecker, 1; Blue Jay, 16; Crow, 205<sup>†</sup>; American Goldfinch, 250<sup>†</sup>; Tree Sparrow, 102<sup>†</sup>; Junco, 15; Song Sparrow, 1; Winter Wren, 1; White-breasted Nuthatch, 9; Chickadee, 14; Golden-crowned Kinglet, 3; Hermit Thrush, 1.

Total, 16 species, over 630 individuals.

ELBERT E. SMITH, FRANK BRUEN.

Boston, Mass., including the Parkway from Longwood through Jamaica Park and the Arnold Arboretum; also the Arnold estate and Hall's pond, Brookline. Time 8:50 a. m. to 1:15 p. m.

Bob-white, 15; Sparrow Hawk, 1; Barred Owl, 1; Flicker, 15; Blue Jay, 13; Crow, 19; Canadian Pine Grosbeak, 1; Goldfinch, 9; White-throated Sparrow, 10; Tree Sparrow 11; Junco, 1; Song Sparrow 6; Northern Shrike, 1; Brown Creeper, 2; White-breasted Nuthatch, 3; Chickadee, 23; Golden-crowned Kinglet, 8; Hermit Thrush, 1.

Moon Island and Squantum, Mass. Time 2:10 to 5:25 p. m.

Black-backed Gull, 2; Herring Gull, 600 (estimated); Red-legged Black Duck, 9; American Scaup Duck, 600 (estimated); American Golden-eye, 450 (estimated); Buffle-head, 6; Horned Lark, 10; Crow, 137; Meadowlark, 4; American Goldfinch, 60 (approximate); Snowflake, 22; Tree Sparrow, 6 (one singing); Song Sparrow, 8; Chickadee, 4.

Total, 27 species, 2059 individuals.

FRANCIS G. AND MAURICE C. BLAKE.

Cambridge, Mass., through the Fresh Pond Marshes, over Arlington Heights to Waverly; eight miles. Time 8:45 to 12:15. Clear, moderate N. W. wind. Temperature 24 to 35. Five inches of snow on the ground.

Bob-white, 8; Red-shouldered Hawk, 1; Hairy Woodpecker, 1; Downy Woodpecker, 5; Northern Flicker, 1; Blue Jay, 2; Crow, 10; Red-winged Blackbird, 2; Canadian Pine Grosbeak, 2; Goldfinch, 2; Tree Sparrow, 30; Song Sparrow, 6; Swamp Sparrow, 4; Myrtle Warbler, 1; Brown Creeper, 5; White-breasted Nuthatch, 3; Chickadee, 15; Golden-crowned Kinglet, 10.

Total, 18 species, 108 individuals.

ARTHUR C. COMEY.

Philadelphia, Pa. Time 3 to 5 p. m. Place, a cemetery two miles from the city hall. Weather, clear, ground with a little snow in some places.

Red-tailed Hawk, American Crow, 1; American Goldfinch, 2; Junco (estimated) 40; White-throated Sparrow, 6; Song Sparrow, 5; Cardinal, 1; Carolina Wren, 1; Winter Wren, 1; White-breasted Nuthatch, 2.

Total, 10 species, 60 individuals.

LOUIS T. PARKE.

Cupola, Chester County, Pa. Time 11 a. m. to 4:30 p. m. Weather, clear, ground scantily covered with snow here and there. Wind, N.W. to N.. brisk. Temperature 43 to 38. About 250 acres gone over thoroughly.

Downy Woodpecker, 4; Northern Flicker, 1; American Crow, several hundred; Tree Sparrow, 35; Junco, 60; Song Sparrow, 20; White-breasted Nuthatch, 3; Chickadee, 30; Tufted Titmouse, 1; Golden-crowned Kinglet, 1; Hermit Thrush, 1.

Total, 12 species, 157 individuals (excluding Crows).

CHRESWELL J. HUNT.

Central Park, New York, January 1, 1904. Time 10:15 a. m. to 12:45 p. m. and 3 to 4 p. m. Clear, wind slight. Temperature 38.

Herring Gull, 3; Hairy Woodpecker, 2; Downy Woodpecker, 2; Starling, (about) 30; European Goldfinch, 4; White-throated Sparrow, (about) 30; Junco, 1; Song Sparrow, 1; Cardinal, 4; Brown Creeper, 1

White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Chickadee, (about) 10; Robin, 1.

Total, 14 specimens, 92 individuals.

CLINTON G. ABBOTT AND MAUNSELL S. CROSBY.

Leonia, Nordhoff, Teaneck and Englewood, N. J. Time 9:15 a. m. to 4:15 p. m. Weather, fine. Wind, light west. Ground snow-covered.

Herring Gull, about 200 (in Hudson River); Red tailed Hawk, 5; Snowy Owl, 1; American Crow, 19; White-throated Sparrow, 7; Tree Sparrow, 93; Junco, 67; Song Sparrow, 23; Myrtle Warbler, 5; Brown Creeper, 1; White-breasted Nuthatch, 1; Chickadee, 18; Golden-crowned Kinglet, 3.

Total, 13 species, 443 individuals.

GEORGE E. HIX.

Cadiz, O. Time 9:30 to 12:30 and 1:30 to 4:30. Clear until 1:30 p. m. Wind, N. W. to N. E. Temperature at starting, 24, at noon, 31, on return, 27. Distance walked, by pedometer, registered 14 miles. Five inches of snow.

Bob-white, 15; Ruffed Grouse, 1; Red-tailed Hawk, 1; Great Horned Owl, 1; Hairy Woodpecker, 3; Downy Woodpecker, 15; Red-bellied Woodpecker, 4; Northern Flicker, 1; Horned Lark and Prairie Horned Lark, 65; Blue Jay, 3; Tree Sparrow, 34; Junco, 22; Song Sparrow, 9; Cardinal, 16; Carolina Wren, 4; White-breasted Nuthatch, 17; Chickadee, 23; Tufted Titmouse, 25.

Total, 19 species, 259 individuals.

HARRY B. McCONNELL.

Jefferson, O. Time 8 to 11:30 a. m. and 1 to 4:30 p. m. Temperature, 25. Slight west wind or none; mostly cloudy. Snow 8 inches, drifts in some places.

Ruffed Grouse, 1; Red-tailed Hawk, 1; Barred Owl, 2; Hairy Woodpecker, 2; Downy Woodpecker, 8; Northern Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Northern Flicker, 1; Blue Jay, 8; Tree Sparrow, 2; Junco, 5; Carolina Wren, 1; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Tufted Titmouse, 2; Chickadee, 13; Golden-crowned Kinglet, 1.

Total, 17 species, 61 individuals.

ROBT. J. SIMM.

McZena, O. Time 7:50 to 11:50 and 1 to 4:30. Partly cloudy, partly clear. Wind S. W., light in the morning, N., brisk in the afternoon. Temperature 14 to 32. Distance walked, about 8 miles. Alone in the morning, with Mr. Zeno Metcalf in the afternoon.

Bob-white, 15; Ruffed Grouse, 2; Mourning Dove, 40; Red-tailed Hawk, 3; Sparrow Hawk, 1; Belted Kingfisher, heard several times; Hairy Woodpecker, 1; Downy Woodpecker, 2; Red-headed Woosecker, 4; Red-bellied Woodpecker, 2; Northern Flicker, 1; Prairie Horned Lark, 30; Blue Jay, 16; American Goldfinch, 27; Tree Sparrow, 60; Junco, 40; Song Sparrow, 6; Cardinal, 6; Brown Creeper, heard; Carolina Wren, heard singing; White-breasted Nuthatch, 20; Chickadee, heard; Tufted Titmouse, 13; Golden-crowned Kinglet, 1; Bluebird, 6.

Total, 25 species, 300 individuals.

C. L. METCALF.

**McConnelsville, O.** Time 8 to 12 a. m. Cloudy and snowing. Temperature, 26. Wind north. Two inches of snow. Distance traveled, two miles.

Red-tailed Hawk, 1; Hairy Woodpecker, 2; Downy Woodpecker, 12; Red-bellied Woodpecker, 8; Northern Flicker, 1; American Goldfinch, 1. Tree Sparrow, 5; Junco, 30; Song Sparrow, 4; Cardinal, 45; Carolina Wren, 9; White-breasted Nuthatch, 8; Tufted Titmouse, 13, Chickadee, 12.

Total 14 species, 151 individuals.

C. H. MORRIS AND E. J. ARRICK.

**Oberlin, O.** Temperature 24 to 28. Cloudy. Wind north, light to brisk. Oberlin and immediate vicinity.

Bob-white, 1; Sparrow Hawk, 1; Screech Owl, 1; Hairy Woodpecker, 5; Downy Woodpecker, 7; Northern Flicker, 5; Blue Jay, 7; Meadowlark, 6; American Goldfinch, 3; Tree Sparrow, 5; Junco, 60; Song Sparrow, 2; Cardinal, 4; White-breasted Nuthatch, common; Tufted Titmouse, 6; Chickadee, common; Bronzed Grackle, probable.

Total, 16 species, over 60 individuals.

FRANCIS M. ROOT.

**Oberlin, O.** Weather as above. Trip of 22 miles to Lake Erie, at Oak Point, and west via Vermilion river and Chance Creek and the old quarry region.

Herring Gull, 1; Bob-white, 14; Mourning Dove, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Golden Eagle, 1; Long-eared Owl, 1; Barred Owl, 1; Screech Owl, 2; Hairy Woodpecker, 6; Downy Woodpecker, 12; Red-bellied Woodpecker, 4; Northern Flicker, 2; Blue Jay, 20; American Crow, 1; Goldfinch, 3; Vesper Sparrow, 1; Tree Sparrow, 61; Song Sparrow, 18; Junco, 39; Cardinal, 29; Northern Shrike, 1; Carolina Wren, 2; Brown Creeper, 1; White-breasted Nuthatch, 21; Chickadee, 19; Tufted Titmouse, 18; Golden-crowned Kinglet, 2.

Total, 28 species, 283 individuals.

LYNDS JONES, D. E. NYE, F. B. WOLFE.

**Belle Isle, Detroit River, Mich.**, January 1, 1904. Time 10 a. m. to 2 p. m. Four inches of snow on ground, a fine, mild day for this time of the year.

Cardinal, (male and female); Tufted Titmouse, 25; Chickadee, 50; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 2; Brown Creeper, 4; Blue Jay, 1.

Total, 8 species, about 90 individuals.

This same day Norman A. Wood saw a Cardinal at Ann Arbor, Mich. Raymond E. Miller captured an American Bittern at Waterford, Mich., and J. Claire Wood saw a Northern Shrike at Wyandotte, Wayne County, Mich.

ALEXANDER W. BLAINE, JR.

**Hinsdale, Ill.** Time 8 a. m. to 1 p. m. Cloudy; north wind. Temperature 15. Two inches of snow, with drifts. A five-mile tramp through low prairie, east of town, and woods skirting east and north sides.

Hairy Woodpecker, 1; Horned Lark, 25; Blue Jay, common; American Crow, common; Evening Grosbeak, 20; Purple Finch, 15; Junco, 50; Brown Creeper, 3; White-breasted Nuthatch, 5; Chickadee, 25; Golden-crowned Kinglet, 4; Tree Sparrow, 100.

Total, 12 species, over 250 individuals. ESTHER A. CRAIGMILE.

**Rock Island, Ill.** Time 8:50 a. m. to 12:50 p. m. Mostly clear. Wind N. E., strong. Ground partly covered with snow. Temperature 22 to 24. A 12-mile tramp through woods and fields.

Bob-white, fresh tracks; Downy Woodpecker, 2; Red-headed Woodpecker, 2; Prairie Horned Lark, 8; Blue Jay, 15; American Crow, 4; Tree Sparrow, 30; Junco, 7; Brown Creeper, 1; White-breasted Nuthatch, 2; Chickadee, 14.

Total, 11 species, 85 individuals.

BURTIS H. WILSON.

**Mt. Carmel, Ill.** Time 7:30 to 11 a. m. Distance traveled, about seven miles. Cloudy, threatening rain: light west wind; ground bare. Temperature 40.

Canada Goose, 18; Hawk (Coopers ?) 1; Red-tailed Hawk, 1; American Sparrow Hawk, 1; Hairy Woodpecker, 5; Downy Woodpecker, 4; Yellow-bellied Sapsucker, 2; Red-headed Woodpecker, 12. Red-bellied Woodpecker, 7; Flicker, 8; Blue Jay, about 20; Crow, about 25; Meadowlark, 16; Goldfinch, about 30; Tree Sparrow, about 50; Junco, about 100; Song Sparrow, 6; Cardinal, 15; Loggerhead Shrike, 1; Carolina Wren, 3; Bewick's Wren, 1; Winter Wren, 1; Brown Creeper, 1; White-breasted Nuthatch, 4; Tufted Titmouse, about 50; Chickadee, about 20; Golden-crowned Kinglet, 4; Bluebird, 10.

Total, 28 species, about 416 individuals. CHAS. F. BRENNAN.

**Washington, D. C., Dec. 30, 1903.** Ground just covered with a light fall of snow which came during the preceding night. Sky clear. Sharp northwest wind blew during most of the day, making it difficult to catch the low notes of birds, but also tending to keep the birds bunched in the sheltered spots. Temperature not known, but just warm enough in middle of day to thaw the snow in the sunshine. Time spent in the fields, 9 a. m. to 11:30 a. m., along Piney Branch and Rock Creek, in in the northwestern outskirts of the city; 12 m. to 4:30 p. m., along the eastern branch of of Potomac, just east of the city.

Species given in the order in which first observed, and numbers of each species seen, accurately counted except in the following cases, where accurate count was impossible and numbers only estimated, namely: Junco, Crow, Turkey Vulture, White-throated Sparrow, Fish Crow, Tree Sparrow.

Junco, 40; American Crow, 1200; Song Sparrow, 11. White-breasted Nuthatch, 5; Cardinal, 14; Tufted Titmouse, 11; Downy Woodpecker, 2; Hairy Woodpecker, 1; Chickadee, 6; Winter Wren, 2; Yellow-bellied Sapsucker, 1; Turkey Vulture, 11; White throated Sparrow, 18; Goldfinch, 4; Carolina Wren, 4; Red breasted Nuthatch, 1; Hermit Thrush, 1; Cedarbird, 16; Fish Crow, a few among other Crows; Golden-crowned Kinglet, 1; Meadowlark, 2; Tree Sparrow, 20; Brown Creeper, 2; Duck, one of the larger wild ducks, but species not recognized; Sparrow Hawk, 1.

THOS. H. LEVERING.